

Explanation of Key Trends - Fine Particulate Matter (PM₁₀)

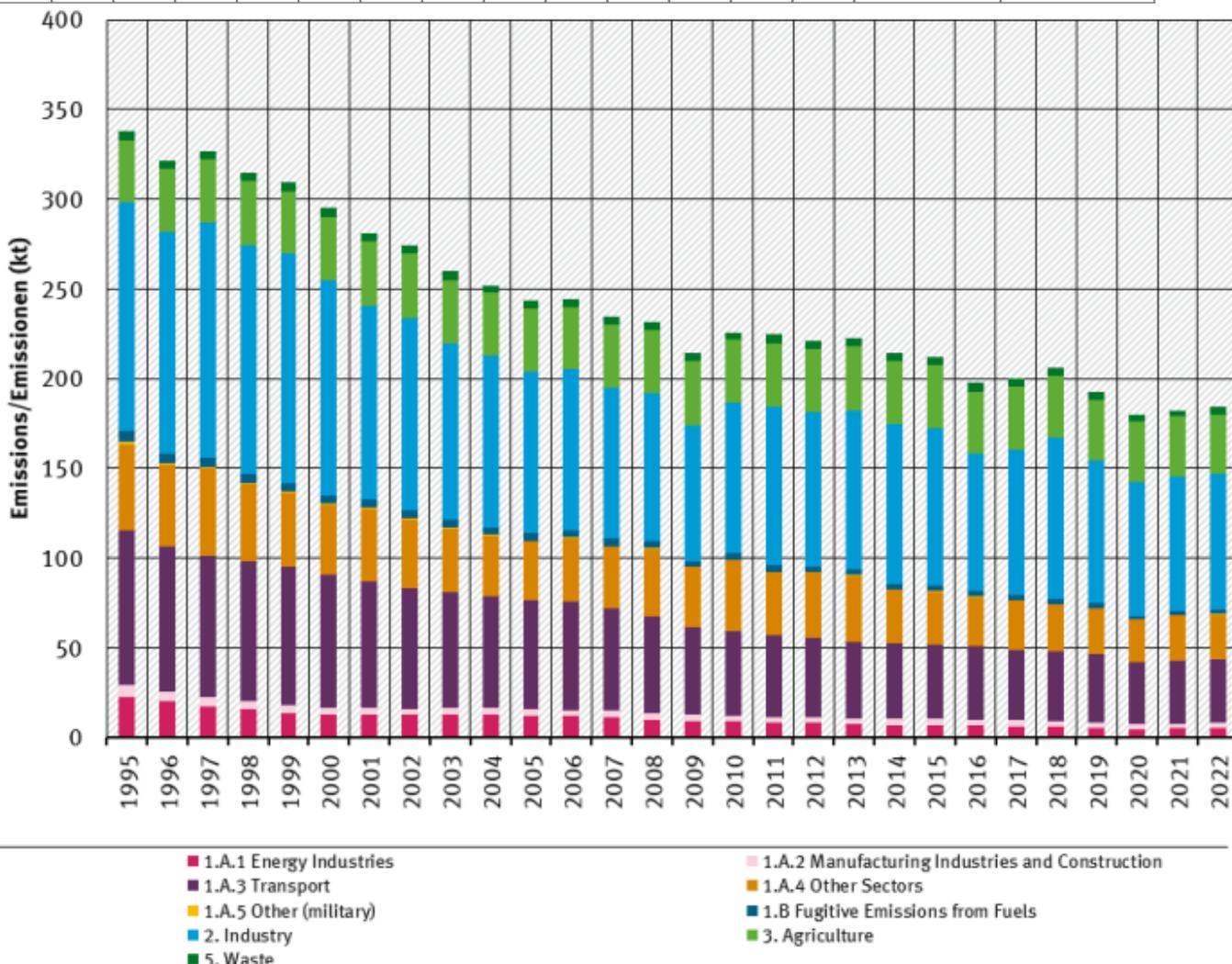
Main drivers

Between 1995 and 2021 the **total PM₁₀ emissions dropped by 47.4%**. The Main Drivers for PM_{sub>10} emissions are **Fuel Combustion (NFR 1.A)** with 48% of total 1995 emissions and a 60% reduction between 1995 and 2021 and as a sum the **Industrial Processes (NFR 2)** (and especially **Handling of Bulk Products NFR 2.L** therein) with 40% of total 1995 emissions and a 43% reduction.</sub>

Within NFR 1.A, **Transport (NFR 1.A.3)** produces the biggest part of PM₁₀ emissions. Here, about three quarters of the 2021 Transport PM₁₀ emissions are produced by **Road Transport (NFR 1.A.3.b)**, half of which is directly caused by **fuel combustion (NFR 1.A.3.b.i - iv)** and the other half by **road abrasion and tyre and brake wear (NFR 1.A.3.b.vi - vii)**.

Table: PM₁₀ Emissions 1990-2021

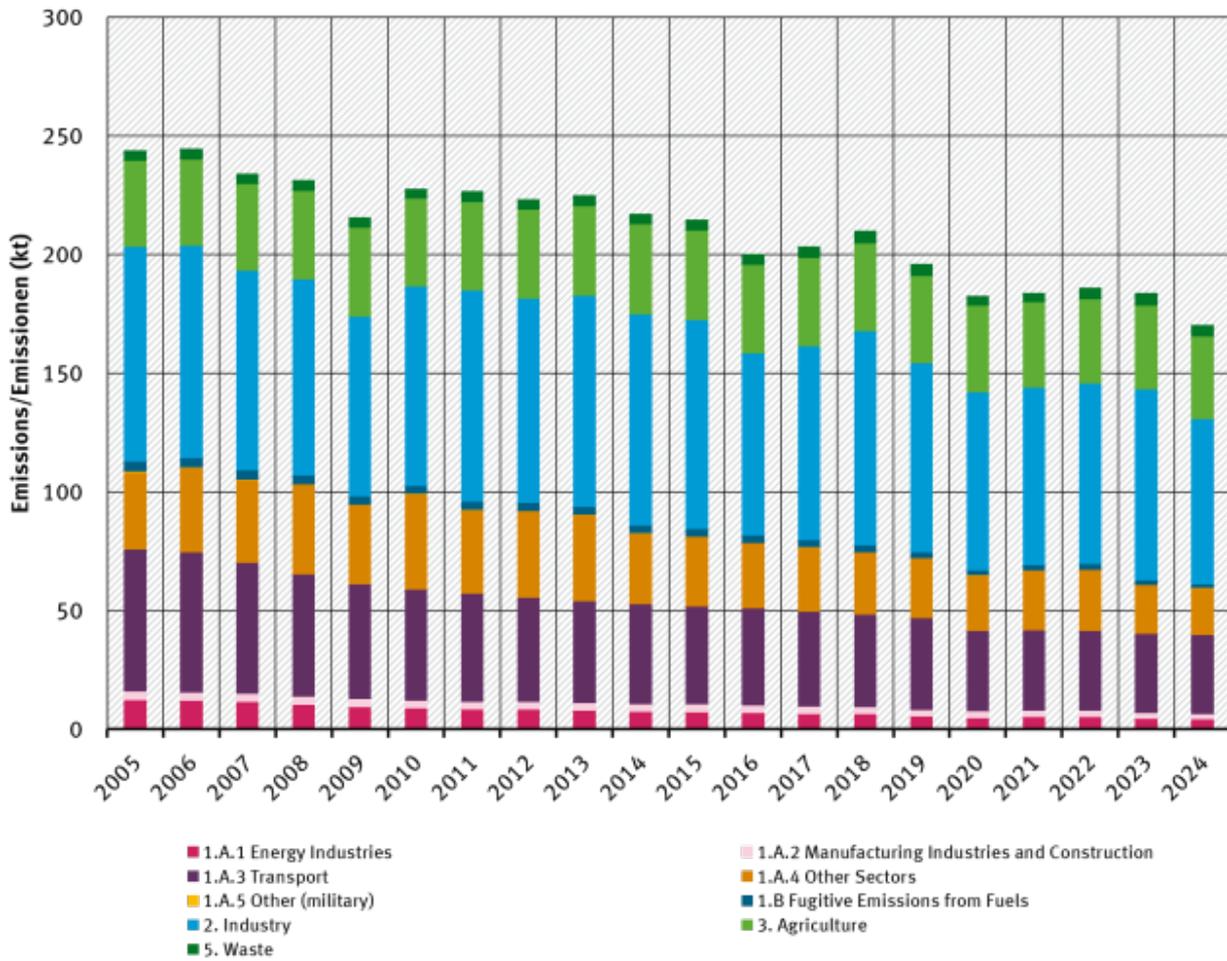
| Total Emissions (kt) | | | | | | | | | | | | | | Trend: latest compared to | |
|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------------|------------|
| 1995 | 2000 | 2005 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 1995 | last years |
| 342 | 298 | 245 | 226 | 225 | 222 | 224 | 216 | 214 | 199 | 202 | 207 | 194 | 180 | ⓧ -47.4% | ⓧ |



PM₁₀ trend by sector

Fine Particulate Matter / Feinstaub (PM₁₀)

Emissions per Sector / Sektorale Emissionen



Quelle: German Emission Inventory (04.02.2026)

PM₁₀ trend by sector, from 2005